

INTELLECTUAL PROPERTY RIGHTS CELL

ALAGAPPA UNIVERSITY

[A State University Accredited with 'A+' Grade by NAAC (CGPA: 3.64)]

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Universities and Institutions are a place where most of the basic ideas lead to researches which are in turn converted to inventions. They are considered to be the most important foundation for the growth of any country. In this regard, Alagappa University has been at the forefront in carrying out multidimensional research and developing inventions of patentable reach. The University has surpassed greater heights and has filed a total of 75 Indian Patents under various disciplines. Out of which, 31 are granted by the Indian Patent Office. As many as 30 Faculty members, 102 Students/PhD Scholars were involved in filing those 75 patents in the last few years.

Under Biological Sciences discipline, several patentable inventions were developed pertaining to anti-aging formulations, nutritional supplements, anti-acne synergistic compositions, phytochemical based compositions for anti-bacterial, anti-cancer properties, oral compositions, formulations for Early Mortality Syndrome, Cement supported conductive salts composited protein exchange membrane for a microbial fuel cell. The Chemical Sciences discipline has been involved in generating copper doped-zinc oxide/reduced graphene oxide nanocomposite. A system for growing unidirectional organic single crystal compound, method for preparing Mxene nanosheets, improved electrode with superior supercapacitive performances, hydrogen free method for growing carbon nanorods was developed by Physical Sciences department. The Biosensors and Bioelectronics department has been involved in developing gas sensing devices, CaCu₂O₃ based electrodes and electrochemical sensors for Biomolecules and Biomarkers detection. The Computer Sciences discipline has developed smart dustbins, Real Time Smart Health Care System Through Data Mining and IoT, integrated device and system for health analysis.

Currently, several patented inventions are in the process of Commercialization with the help of Entrepreneurship schemes supported by RUSA, MHRD. The University also has tie-ups with leading industry players in the field for upscaling and to market their inventions. Alagappa University strives hard with its full potential to develop patentable novel inventions which will pave the way for self-sustainable economy and towards a brighter India.